

ABSTRACT OF DISCLOSURE

DNA sequences optimized for expression in plants are disclosed. The DNA sequences preferably encode for an insecticidal polypeptides, particularly insecticidal proteins from *Bacillus thuringiensis*. Plant promoters, particular tissue-specific and tissue-preferred promoters are also provided. Additionally disclosed are transformation vectors comprising said DNA sequences. The transformation vectors demonstrate high levels of insecticidal activity when transformed into maize.